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Neural network approach to the problem of image segmentation for morphological studies at LRB JINR

Friday, 9 July 2021 11:00 (15 minutes)

The report will present the results on the development of the algorithmic block of the Information System (IS) for radiobiological studies, created within a joint project of MLIT and LRB JINR, in terms of solving the segmentation problem for morphological research to study the effect of ionizing radiation on biological objects. The problem of automating the morphological analysis of histological preparations is solved in the frames of the project by implementing algorithms based on the neural network approach and computer vision methods.

The results of the investigations will be used in the development of the algorithmic block of the BIOHLIT information system.

Summary

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